

# Adam Nabialek

## List of Publications by Year in descending order

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93  
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docs citations

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times ranked

727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic Characterization of Shielded Spherical Gyromagnetic Resonators. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1016-1025.	4.6	2
2	Multi-Steps Magnetic Flux Entrance/Exit at Thermomagnetic Avalanches in the Plates of Hard Superconductors. Materials, 2022, 15, 2037.	2.9	1
3	Enhanced coercivity in SmCo <sub>5</sub> magnet subjected to hydrogen treatment. Journal of Alloys and Compounds, 2021, 866, 158272.	5.5	3
4	Magnetic properties, martensitic and magnetostructural transformations of ferromagnetic Ni <sub>45</sub> Mn <sub>45</sub> Sn <sub>10</sub> Cu shape memory alloys. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	13
5	Broadband Microwave Characterization of Mono- and Polycrystalline Magnetic Garnet Spheres. , 2020, , .		1
6	Dynamics of Abrikosov's Vortex Forced Oscillations: Role of Frequency, Acting Forces and Vortex Parameters. Low Temperature Physics, 2019, 45, 1018-1025.	0.6	0
7	Magnetic moment inversion at giant flux jump: dynamical property of critical state in type-II superconductors. Scientific Reports, 2019, 9, 6233.	3.3	3
8	Magnetostriction studies in nano-crystalline zinc ferrite thin films by strain modulated ferromagnetic resonance. Journal of Magnetism and Magnetic Materials, 2018, 460, 203-206.	2.3	7
9	Magnetocaloric effect and magnetoelastic properties of NiMnGa and NiMnSn Heusler alloy thin films. Journal of Alloys and Compounds, 2018, 748, 1-5.	5.5	13
10	The magnetic properties of C-Ni carbon-metal complexes. Low Temperature Physics, 2017, 43, 625-630.	0.6	2
11	Oscillations of a single Abrikosov vortex in hard type-II superconductors. Low Temperature Physics, 2017, 43, 670-682.	0.6	2
12	Magnetoelastic Properties of Epitaxially Grown Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si and Co <sub>2</sub> FeGa <sub>0.5</sub> Ge <sub>0.5</sub> Heusler Alloys Thin Films. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	6
13	Transformation of the critical state in hard superconductors resulting from thermomagnetic avalanches. Low Temperature Physics, 2016, 42, 239-257.	0.6	4
14	Obtaining a Rough Flux Front in Type-II Superconductors Using a Critical State Model. Acta Physica Polonica A, 2016, 130, 645-648.	0.5	2
15	Threshold Field for Runaway Instability of Bilayer Hard Type-II Superconductor. Journal of Low Temperature Physics, 2015, 179, 75-82.	1.4	2
16	Energy Absorption by a Single Abrikosov's Vortex in NbTi and YBaCuO Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2033-2036.	1.8	4
17	Boundaries of the critical state stability in a hard superconductor Nb <sub>3</sub> Al in the H-T plane. Low Temperature Physics, 2013, 39, 329-337.	0.6	0
18	The influence of crystal anisotropy on the critical state stability and flux jump dynamics of a single crystal of La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> . Superconductor Science and Technology, 2012, 25, 035005.	3.5	4

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19	Fine Structure of Thermal Runaway Process in the V3Si Single-crystal Superconductor as a Result of Pinning Center Response. <i>Physics Procedia</i> , 2012, 36, 634-637.	1.2	3
20	The Reversal of the Local Magnetic Field Profile at the Surface of Superconducting Sample Caused by the Thermomagnetic Avalanche. <i>Journal of Low Temperature Physics</i> , 2009, 154, 55-67.	1.4	4
21	Magnetostriction of Fe <sub>x</sub> Mn <sub>1-x</sub> S (x = 0.27) crystals. <i>JETP Letters</i> , 2009, 90, 207-210.	1.4	2
22	Two components of the magnetostriction of the crystalline metallic V3Si superconductor. <i>Journal of Applied Physics</i> , 2009, 105, 063918.	2.5	5
23	The critical state instability in Nb3Al: Experiment and simulation. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 768-769.	1.2	0
24	Dynamical transformation of the critical state caused by the thermomagnetic avalanches. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 776-777.	1.2	3
25	Dynamics of single vortex line in the field of external alternative current. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 1198-1199.	1.2	1
26	The magnetic field dependence of effective resistivity in a conventional superconductor: Contactless measurements. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 854-855.	1.2	0
27	Electron paramagnetic resonance studies in KYb(WO4)2. <i>Physica B: Condensed Matter</i> , 2007, 388, 257-260.	2.7	6
28	Structural and magnetic properties of La <sub>1-x</sub> Pr <sub>x</sub> MnO <sub>3</sub> +δ (0 ≤ x ≤ 1.0). <i>Physical Review B</i> , 2006, 74, .	3.2	30
29	The critical state stability in textured Bi2Sr2CaCu2O8+δ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 436, 43-50.	1.2	9
30	Magnetostriction studies of magnetic phase transitions in the copper metaborate CuB2O4. <i>Physics of the Solid State</i> , 2006, 48, 330-335.	0.6	1
31	First-order phase transition in potassium dysprosium tungstate induced by the field renormalization and softening of the elastic moduli in the vicinity of a structural Jahn-Teller-type transition. <i>Physics of the Solid State</i> , 2006, 48, 1553-1558.	0.6	3
32	Magnetic phase diagram of copper metaborate in magnetic field parallel to c-axis. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e388-e391.	2.3	10
33	Magnetostriction of rare earth double tungstates. <i>New Journal of Physics</i> , 2006, 8, 124-124.	2.9	9
34	Two- and three-dimensional incommensurate modulation in optimally-doped Bi2Sr2CaCu2O8+δ. <i>Physical Review B</i> , 2006, 73, .	3.2	23
35	Giant Magnetostriction and Flux Jumps in Superconducting Nb3Al Polycrystalline Slab. <i>Journal of Low Temperature Physics</i> , 2005, 139, 239-246.	1.4	6
36	Pinning of the Vortex System and Magnetostriction of Superconductors. <i>Journal of Low Temperature Physics</i> , 2005, 139, 309-330.	1.4	6

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37	Characterization of superconducting properties of BSCCO powder prepared by attrition milling. Superconductor Science and Technology, 2005, 18, 317-324.	3.5	21
38	Manifestation of noncentrality in the EPR spectrum of Fe <sup>3+</sup> in polycrystalline substances. Low Temperature Physics, 2004, 30, 956-960.	0.6	4
39	Title is missing!. Journal of Low Temperature Physics, 2003, 130, 425-433.	1.4	7
40	Flux Jumps and H-T Diagram of Instability for MgB <sub>2</sub> . Journal of Low Temperature Physics, 2003, 130, 175-191.	1.4	41
41	The Structure of Magnetic Avalanches: Experiment and Model for Avalanche Vortex Matter Penetration. Journal of Low Temperature Physics, 2003, 130, 165-174.	1.4	4
42	Pinning induced magnetostriction in superconductive MgB <sub>2</sub> ceramics. Physica Status Solidi A, 2003, 196, 82-85.	1.7	0
43	The correlation between the transverse and longitudinal magnetostriction in a polycrystalline MgB <sub>2</sub> superconductor. Superconductor Science and Technology, 2003, 16, 707-713.	3.5	9
44	Magnetic flux jumps in textured Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ . Physical Review B, 2003, 67, .	3.2	36
45	EPR spectrum of the Fe <sup>3+</sup> ion in bromocresol green (C <sub>21</sub> H <sub>14</sub> Br <sub>4</sub> O <sub>5</sub> S) and features in the dynamics of the surrounding molecules. Low Temperature Physics, 2002, 28, 49-53.	0.6	4
46	Excitation of oscillations of the magnetic induction in a Nb $\delta$ -Ti slab as a result of a thermomagnetic flux avalanche. Low Temperature Physics, 2002, 28, 387-390.	0.6	1
47	Magnetostriction in superconducting MgB <sub>2</sub> . Physica B: Condensed Matter, 2002, 319, 286-292.	2.7	11
48	Oscillation mode in the screening properties of Nb $\delta$ -Ti plate as a result of flux jumps. Physica C: Superconductivity and Its Applications, 2002, 369, 77-81.	1.2	4
49	The structure of vortex matter avalanches in a niobium plate. Physica C: Superconductivity and Its Applications, 2002, 369, 82-86.	1.2	6
50	Canted spin structure in clusters of the (La <sub>0.7</sub> Ca <sub>0.3</sub> ) <sub>1-x</sub> Mn <sub>1+x</sub> O <sub>3</sub> perovskites. Journal of Magnetism and Magnetic Materials, 2002, 246, 40-53.	2.3	25
51	Peak effect and giant flux jumps in hard superconductors: the problem of $\delta$ -islands-jumps on H-T diagram. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2031-2032.	1.2	2
52	Magnetic phase transition and magnetoresistive effect in Nd <sub>0.6</sub> Ca <sub>0.4</sub> (Mn <sub>1-x</sub> Me <sub>x</sub> )O <sub>3</sub> (Me=Cr, Al, Ti, Nb). Low Temperature Physics, 2000, 26, 28-31.	0.6	2
53	Magnetothermal instabilities in type II superconductors: The influence of magnetic irreversibility. Journal of Applied Physics, 2000, 88, 5875-5883.	2.5	28
54	Time evolution of the magnetic properties of La <sub>0.5</sub> R <sub>0.5</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> (R=rare earth) high-T <sub>c</sub> superconductors. Physica C: Superconductivity and Its Applications, 1999, 317-318, 558-560.	1.2	2

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55	Pinning induced magnetostriction in ceramic high temperature superconductors. Physica C: Superconductivity and Its Applications, 1999, 321, 49-58.	1.2	15
56	Magnetic structure of ground state of the $KDy(WO_4)_2$ single crystal. Journal of Magnetism and Magnetic Materials, 1999, 195, 119-124.	2.3	6
57	Magnetotransport properties of the $Sm_{0.56}(Sr_{0.44-x}Mx)MnO_3$ (Me = Ba, Ca, Cd) perovskites. Journal of Physics Condensed Matter, 1999, 11, 8913-8920.	1.8	4
58	Time evolution of copper defects in the mixed phase $La_{0.5}Gd_{0.5}Ba_2Cu_3O_y$ . Radiation Effects and Defects in Solids, 1999, 151, 151-157.	1.2	0
59	Magnetization of the $KDy(WO_4)_2$ single crystal in paramagnetic phase. , 1999, , .		1
60	Magnetostriction of superconductors (a review). Low Temperature Physics, 1999, 25, 225-241.	0.6	12
61	Magnetostriction of the high-temperature non-cuprate superconductor $BaBiKO$ . Physics of the Solid State, 1998, 40, 1091-1095.	0.6	4
62	Magnetostriction of thin flat superconductor in a transverse magnetic field. Superlattices and Microstructures, 1998, 24, 221-226.	3.1	23
63	The Large Magnetoresistance of $R_2Mo_2O_7$ (R = Gd, Tb) Pyrochlores at Low Temperatures. Physica Status Solidi A, 1998, 167, 151-155.	1.7	3
64	$H$ - $T$ phase diagram for the giant magnetic flux jumps in low temperature superconductors and high temperature superconductors. Journal of Applied Physics, 1998, 83, 7324-7326.	2.5	16
65	The range of giant flux instabilities in the plane in hard superconductors: calculations and experiment. Superconductor Science and Technology, 1998, 11, 1181-1185.	3.5	6
66	Magnetotransport properties of with pyrochlore structure. Journal of Physics Condensed Matter, 1998, 10, 401-405.	1.8	4
67	Influence of the real shape of a sample on the pinning induced magnetostriction. Journal of Applied Physics, 1998, 84, 3770-3775.	2.5	53
68	Giant magnetostriction and magnetostriction jumps in superconducting single crystalline. Superconductor Science and Technology, 1997, 10, 786-793.	3.5	36
69	Metamagnetism in perovskites $RMnO_{3+x}$ (R=Gd, Tb, Dy). Low Temperature Physics, 1997, 23, 300-302.	0.6	17
70	Magnetic ordering in perovskites containing manganese and cobalt. Journal of Physics Condensed Matter, 1997, 9, 8287-8295.	1.8	26
71	Magnetic field induced phase transition in $A_{1-x}Ca_xMnO_3$ (A=Nd, Bi, Sm, Eu, Tb). Low Temperature Physics, 1997, 23, 807-809.	0.6	0
72	<title>Jahn-Teller type structural phase transition for dysprosium-potassium double tungstate</title>. , 1997, , .		0

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73	Phase Transformation in the $\text{Eu}_{1-x}\text{Ca}_x\text{MnO}_3$ Perovskites. European Physical Journal Special Topics, 1997, 07, C1-359-C1-360.	0.2	0
74	Magnetic ordering in the perovskites $\text{Eu}_{1-x}\text{Ca}_x\text{MnO}_3$ ( $0 \leq x \leq 0.5$ ). Physics of the Solid State, 1997, 39, 101-103.	0.2	6
75	Preparation, magnetic and transport properties of $\text{A}_{0.66}\text{Ba}_{0.34}\text{MnO}_3$ ( $A = \text{Pr, Nd, Sm, Eu, Gd}$ ) perovskites. Journal of Magnetism and Magnetic Materials, 1997, 176, 267-271.	2.3	8
76	Synthesis and characterization of $\text{Ln}(\text{B}_{0.5}\text{Mn}_{0.5})\text{O}_3$ (Ln-lanthanoid; B = Ni, Co) perovskites. Materials Research Bulletin, 1997, 32, 67-74.	5.2	35
77	ESR-study of the low-temperature phase transition in $\text{KDy}(\text{WO}_4)_2$ . Physica B: Condensed Matter, 1997, 240, 21-25.	2.7	16
78	Jahn-Teller type structural transition in $\text{KDy}(\text{WO}_4)_2$ . Solid State Communications, 1997, 102, 627-630.	1.9	18
79	Magnetic and Transport Properties of $\text{EuMnO}_{3+x}$ Substituted by Ca, Sr and Cr Ions. Physica Status Solidi A, 1997, 160, 195-203.	1.7	23
80	Magnetic Interactions in $\text{Ln}(\text{Co}_{0.5}\text{Mn}_{0.5})\text{O}_3$ (Ln = Eu, Gd, Tb, Dy, Ho, Y) Perovskites. Physica Status Solidi A, 1997, 163, 215-220.	1.7	7
81	Magnetic Study of Orthomanganites $\text{A}_{1-x}\text{MnO}_{3+y}$ (A=La, Eu) with the Perovskite Structure. Journal of Solid State Chemistry, 1997, 130, 171-175.	2.9	8
82	Magnetic Study of the $\text{Ca}_{1-x}\text{Eu}_x\text{MnO}_3$ ( $0 \leq x \leq 1$ ) Perovskites. Journal of Solid State Chemistry, 1997, 131, 144-149.	2.9	59
83	Charge Order-Disorder Transition in the $\text{Nd}_{0.6}(\text{Ca}_{0.4-x}\text{Cdx})\text{MnO}_3$ Perovskites. Journal of Solid State Chemistry, 1997, 134, 215-218.	2.9	2
84	Magnetic Phase Transformation in the $\text{RE}(\text{Mn}_{0.5}\text{B}_{0.5})\text{O}_3$ Perovskites (RE is a Rare Earth Ion, B=Ni, Co). European Physical Journal Special Topics, 1997, 07, C1-357-C1-358.	0.2	0
85	Magnetic and transport properties of (Ln = La, Eu or Lu). Journal of Physics Condensed Matter, 1996, 8, 10627-10632.	1.8	5
86	Magnetic and magnetic resonance studies of magnetically diluted phthalocyanine-based molecular magnets. Journal of Magnetism and Magnetic Materials, 1996, 162, 338-342.	2.3	4
87	Magnetic properties of perovskites $\text{R}(\text{Mn}_{0.5}\text{A}_{0.5})\text{O}_3$ (R = Nd, Eu; A = Co, Ni). Physica Status Solidi A, 1996, 157, 167-172.	1.7	8
88	Investigation of electron paramagnetic resonance in carbon tubes. Europhysics Letters, 1996, 34, 31-36.	2.0	9
89	Magnetostriction of Fe/Gd multilayers. Journal of Magnetism and Magnetic Materials, 1995, 139, 157-161.	2.3	6
90	Annealing of defects in fast neutron irradiated $\text{YBa}_2\text{Cu}_3\text{O}_x$ ceramics magnetic and microwave studies. Physica C: Superconductivity and Its Applications, 1994, 226, 345-352.	1.2	0

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91	High pressure synthesis of Hg1223 and Hg1212 ceramics in a gas pressure system at P=10 kbar. Physica C: Superconductivity and Its Applications, 1994, 235-240, 921-922.	1.2	3
92	Irreversible phenomena in RF electromagnetic field absorption in MTC YBaCuO plates. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2074-2075.	1.2	2